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GENERATING AN ORDER PLAN FOR A SUPPLY CHAIN NETWORK

ABSTRACT OF THE DISCLOSURE

Generating an order plan is disclosed. Data describing priority levels including at least one item request is accessed. Data describing a supply chain network (10) including network components (11) that supply one or more items to satisfy an item request is accessed. For each priority level, and for each item request of a priority level, an order for an item request of a current priority level is planned according to recorded unplannable network components (11) that are unable to satisfy an item request, and the unplannable network components (11) for the current priority level are determined. For each priority level, the unplannable network components (11) are validated for the current priority level, and the validated unplannable network components (11) for the current priority level are recorded. An order plan including the orders planned for the item requests at each priority level is provided.